

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072690.D
 Acq On : 22 Apr 2022 13:20
 Operator : VA/SY
 Sample : N2494-04
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1D

Quant Time: Apr 22 23:44:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

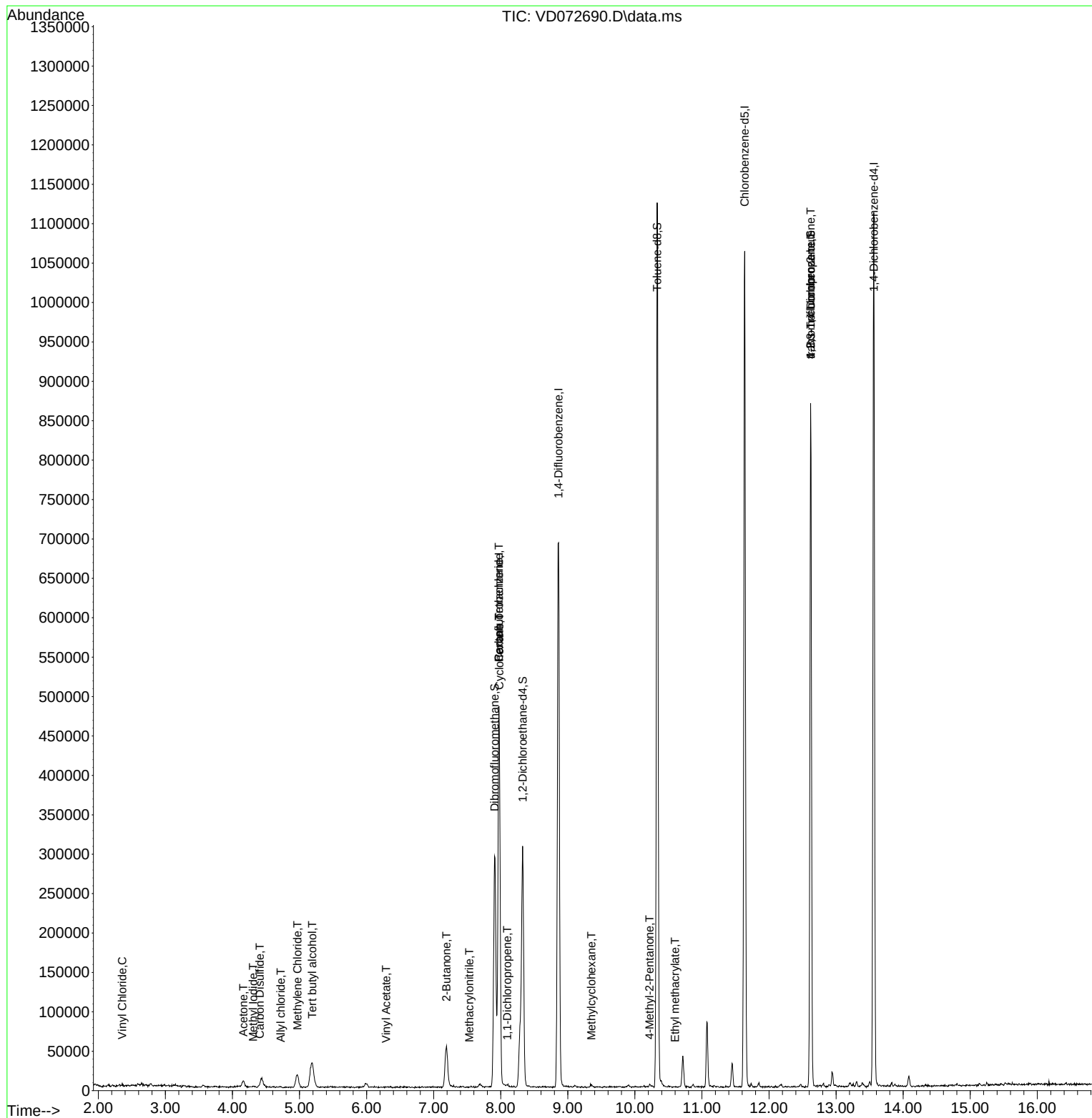
Internal Standards						
1) Pentafluorobenzene	7.973	168	351826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	628755	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	631472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	287789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	233508	54.865	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.740%	
35) Dibromofluoromethane	7.909	113	218208	44.657	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.320%	
50) Toluene-d8	10.332	98	747769	44.025	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.060%	
62) 4-Bromofluorobenzene	12.620	95	278530	41.989	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.980%	
Target Compounds						Qvalue
4) Vinyl Chloride	2.356	62	499	1.115	ug/l #	43
10) Methyl Iodide	4.309	142	1835	4.182	ug/l #	78
11) Tert butyl alcohol	5.191	59	31570	140.463	ug/l #	76
14) Allyl chloride	4.720	41	283	1.177	ug/l #	73
16) Acetone	4.162	43	14883	18.754	ug/l #	85
17) Carbon Disulfide	4.409	76	2123	3.914	ug/l #	57
20) Methylene Chloride	4.968	84	13158	2.785	ug/l #	66
23) Vinyl Acetate	6.291	43	323	6.335	ug/l #	75
25) 2-Butanone	7.191	43	3899	3.552	ug/l #	52
31) Cyclohexane	7.979	56	8468	1.522	ug/l #	1
36) 1,1-Dichloropropene	8.097	75	1355	1.336	ug/l #	43
38) Carbon Tetrachloride	7.973	117	36639	5.443	ug/l #	17
39) Methylcyclohexane	9.350	83	1405	3.059	ug/l #	80
41) Methacrylonitrile	7.532	41	61	1.697	ug/l #	27
51) 4-Methyl-2-Pentanone	10.220	43	2713	1.018	ug/l #	72
56) Ethyl methacrylate	10.597	69	70	1.206	ug/l #	21
76) 1,2,3-Trichloropropane	12.620	75	142574	45.423	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	142574	111.459	ug/l #	7

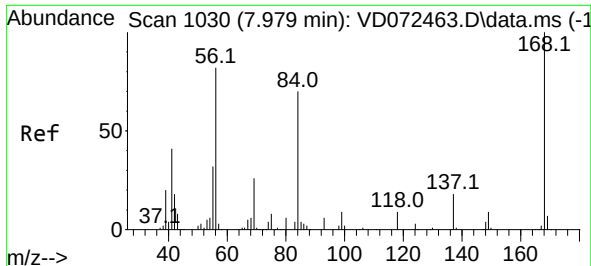
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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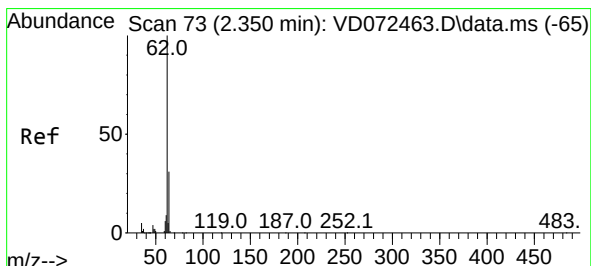
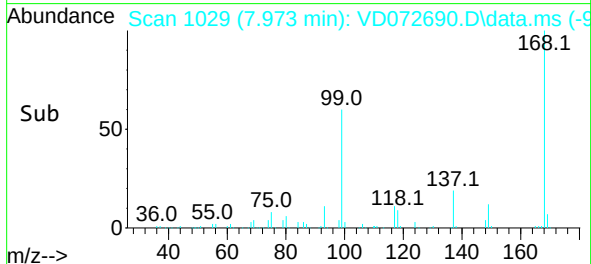
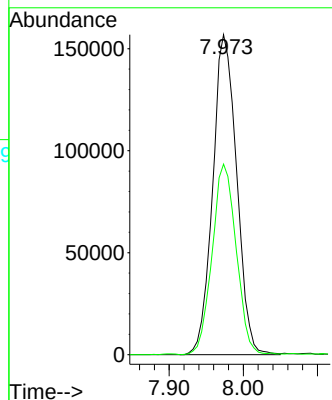
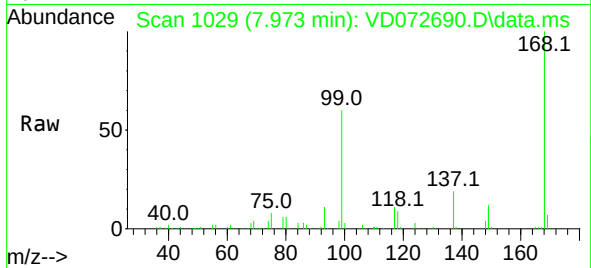




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

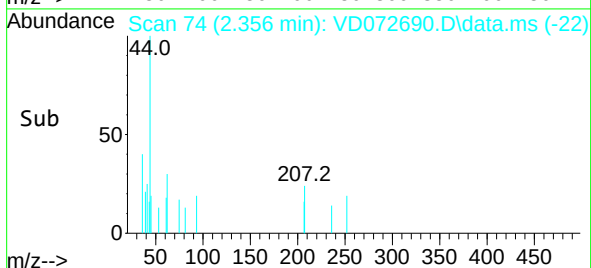
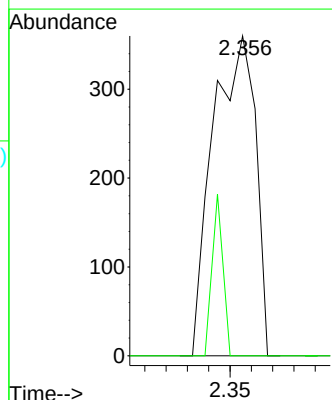
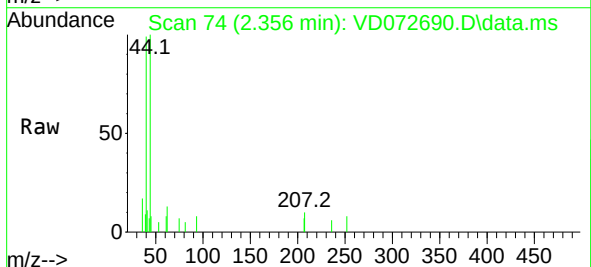
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

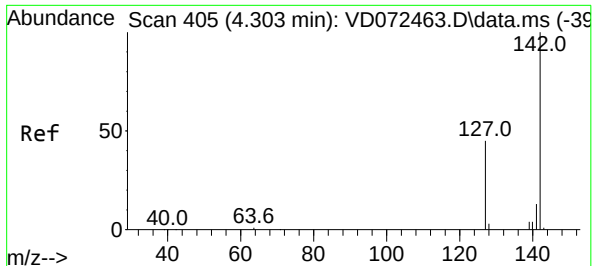
Tgt Ion:168 Resp: 351826
Ion Ratio Lower Upper
168 100
99 59.5 49.8 74.6



#4
Vinyl Chloride
Concen: 1.115 ug/l
RT: 2.356 min Scan# 74
Delta R.T. 0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 62 Resp: 499
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

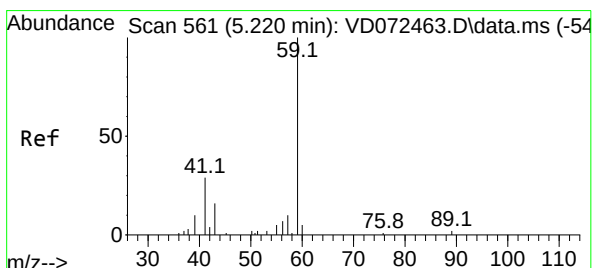
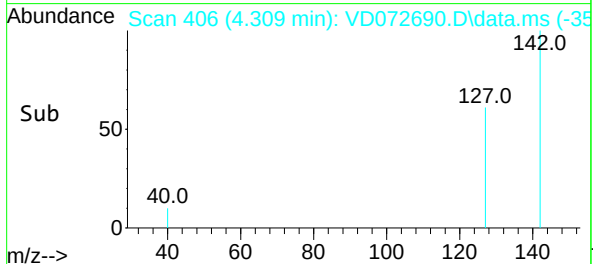
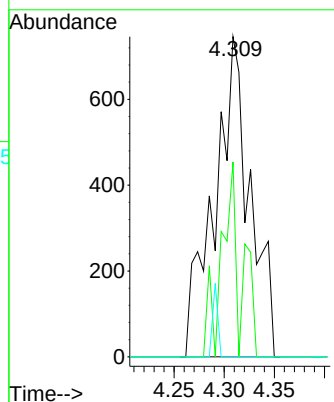
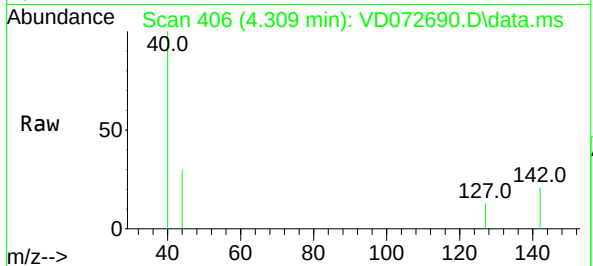




#10
Methyl Iodide
Concen: 4.182 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

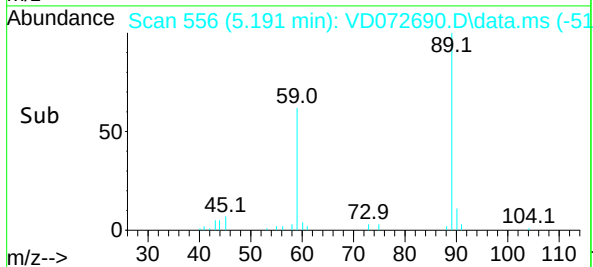
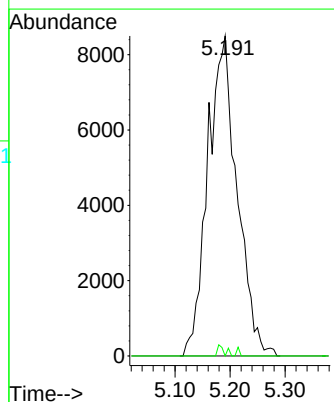
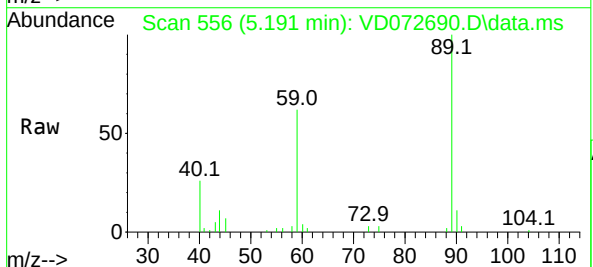
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

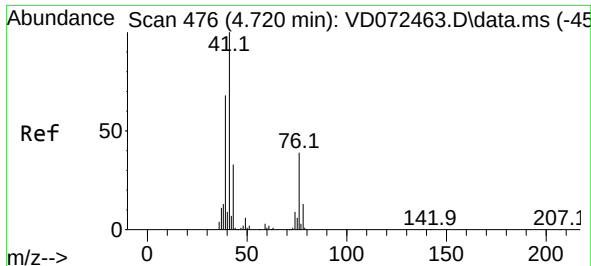
Tgt Ion:142 Resp: 1835
Ion Ratio Lower Upper
142 100
127 33.4 37.3 55.9#
141 3.3 11.7 17.5#



#11
Tert butyl alcohol
Concen: 140.463 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 59 Resp: 31570
Ion Ratio Lower Upper
59 100
57 0.8 7.8 11.6#



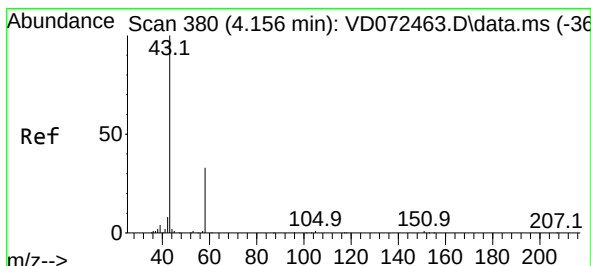
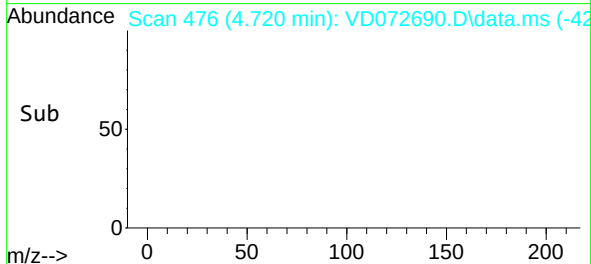
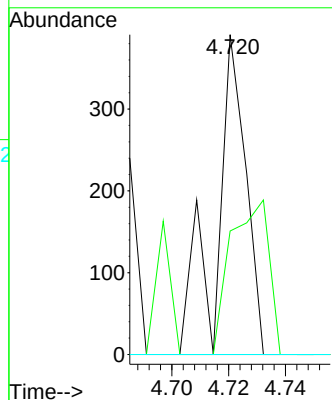
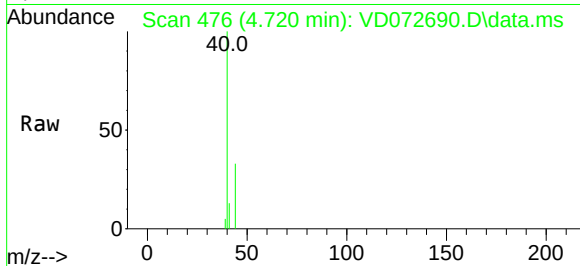


#14
 Allyl chloride
 Concen: 1.177 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072690.D
 Acq: 22 Apr 2022 13:20

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1D

Tgt Ion: 41 Resp: 283

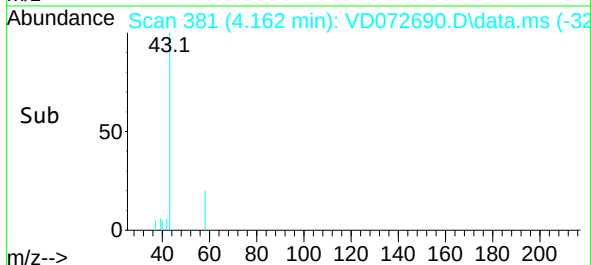
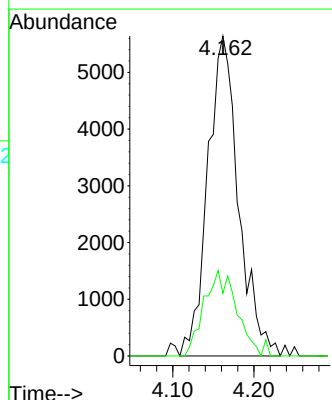
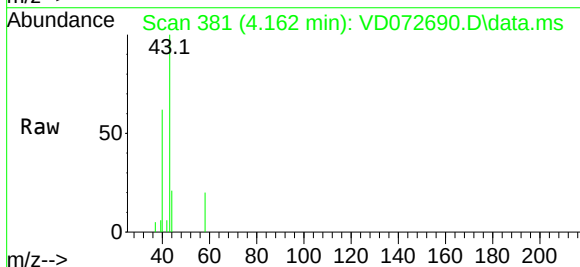
Ion	Ratio	Lower	Upper
41	100		
39	62.5	59.3	88.9
76	0.0	25.7	38.5

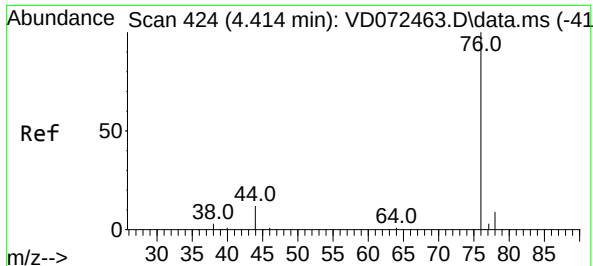


#16
 Acetone
 Concen: 18.754 ug/l
 RT: 4.162 min Scan# 381
 Delta R.T. 0.006 min
 Lab File: VD072690.D
 Acq: 22 Apr 2022 13:20

Tgt Ion: 43 Resp: 14883

Ion	Ratio	Lower	Upper
43	100		
58	19.6	22.1	33.1

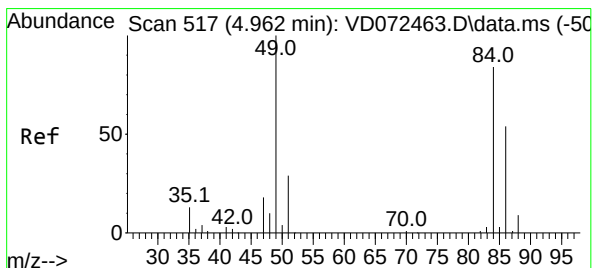
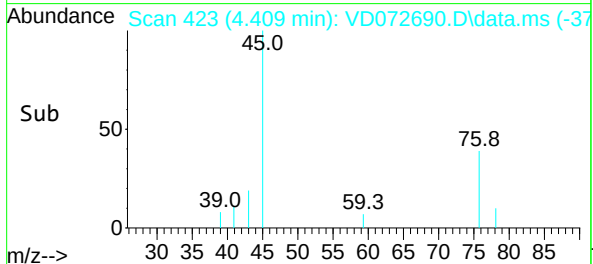
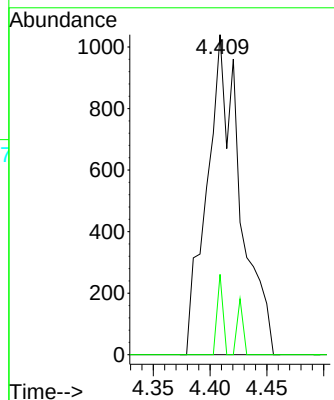
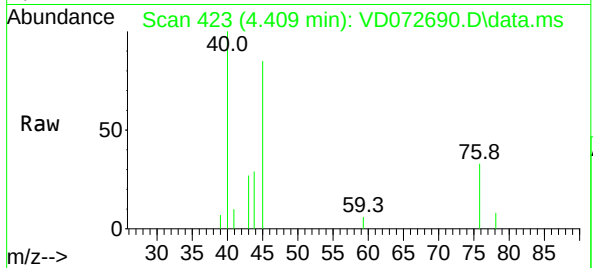




#17
Carbon Disulfide
Concen: 3.914 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

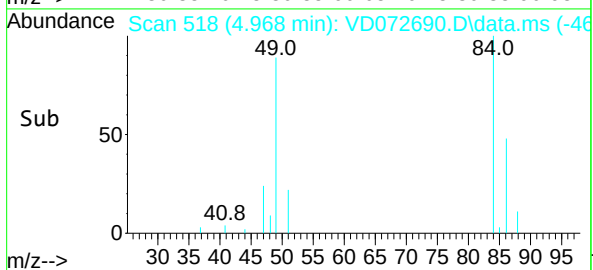
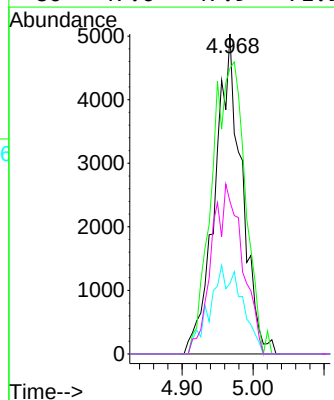
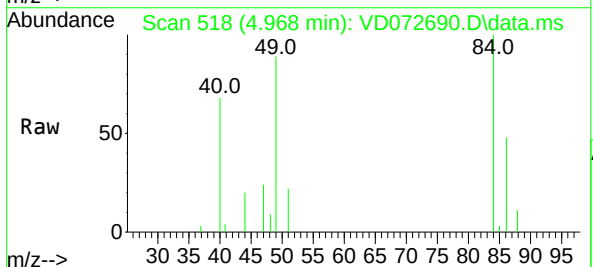
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

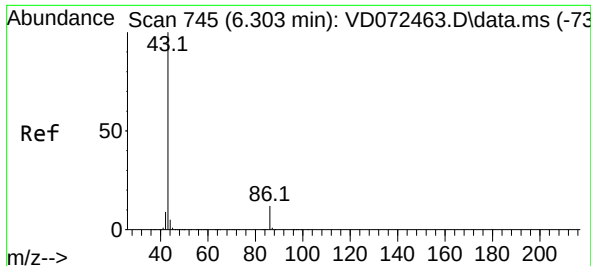
Tgt Ion: 76 Resp: 2123
Ion Ratio Lower Upper
76 100
78 25.1 7.5 11.3#



#20
Methylene Chloride
Concen: 2.785 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 84 Resp: 13158
Ion Ratio Lower Upper
84 100
49 89.2 112.8 169.2#
51 22.0 32.6 48.8#
86 47.6 47.9 71.9#

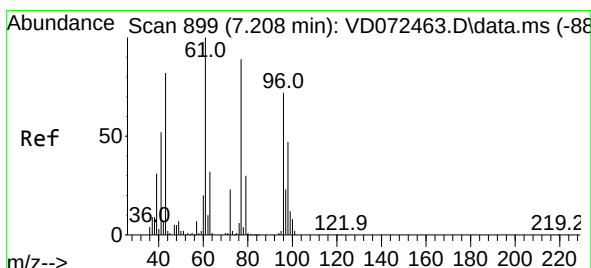
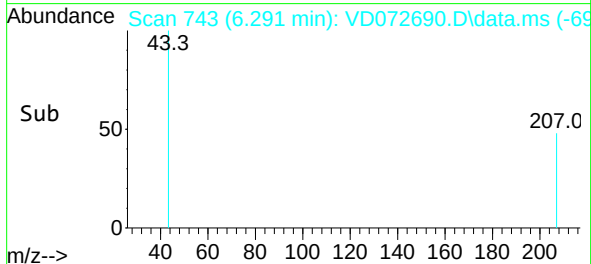
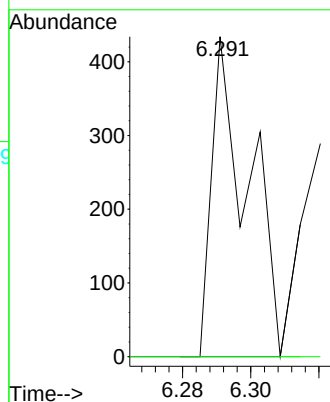
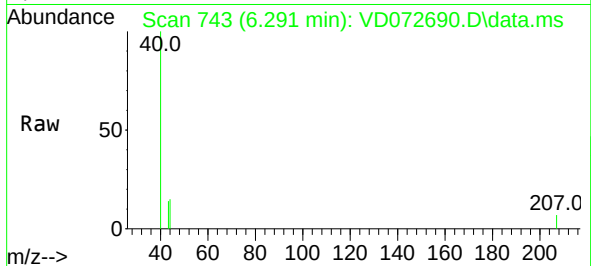




#23
 Vinyl Acetate
 Concen: 6.335 ug/l
 RT: 6.291 min Scan# 745
 Delta R.T. -0.012 min
 Lab File: VD072690.D
 Acq: 22 Apr 2022 13:20

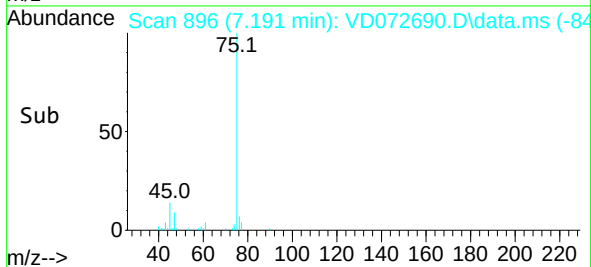
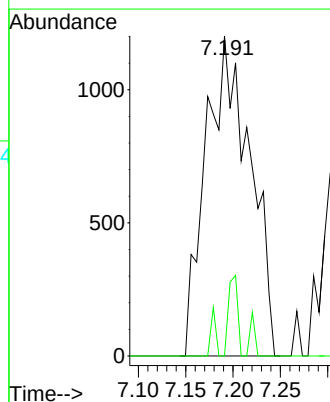
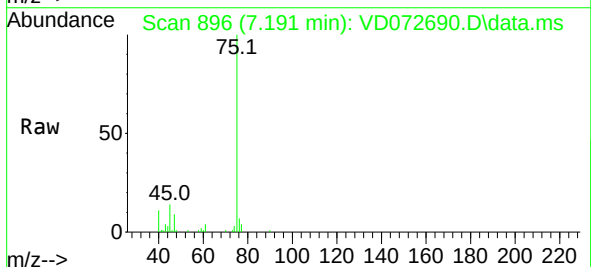
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1D

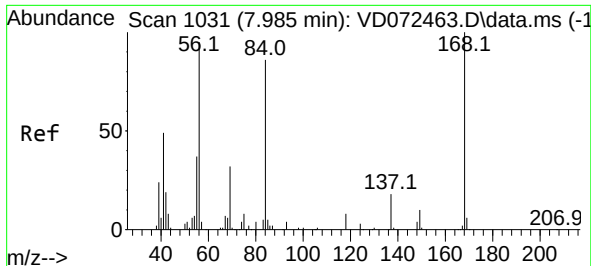
Tgt Ion: 43 Resp: 323
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 3.552 ug/l
 RT: 7.191 min Scan# 896
 Delta R.T. -0.018 min
 Lab File: VD072690.D
 Acq: 22 Apr 2022 13:20

Tgt Ion: 43 Resp: 3899
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#

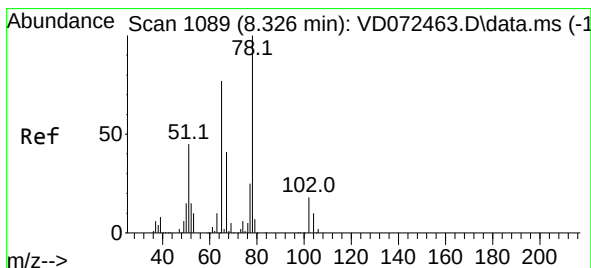
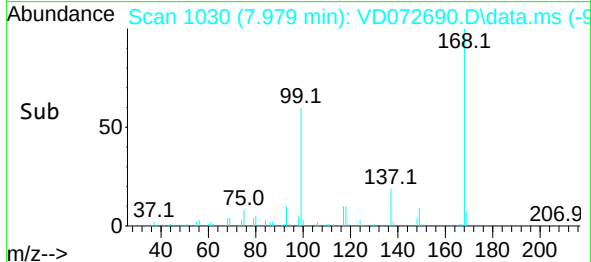
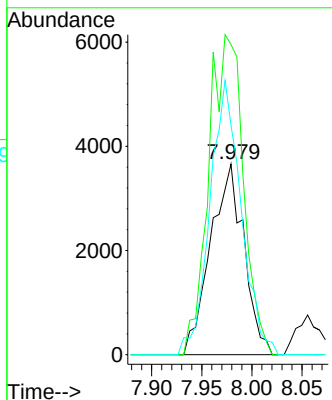
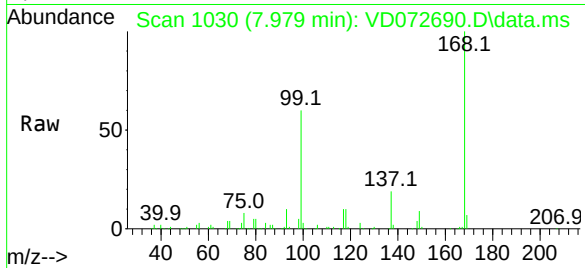




#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

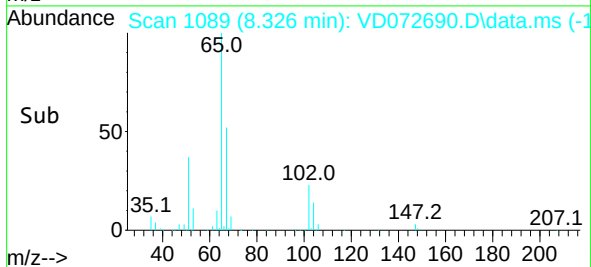
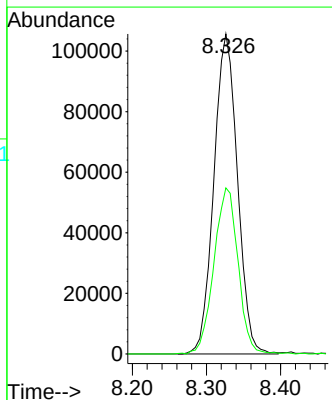
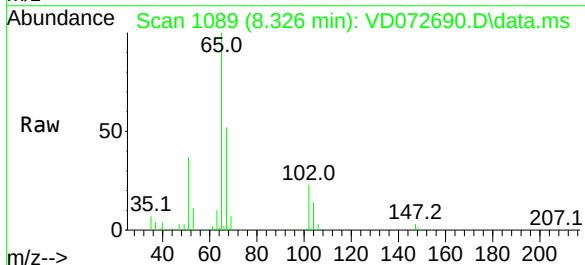
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MH-1D

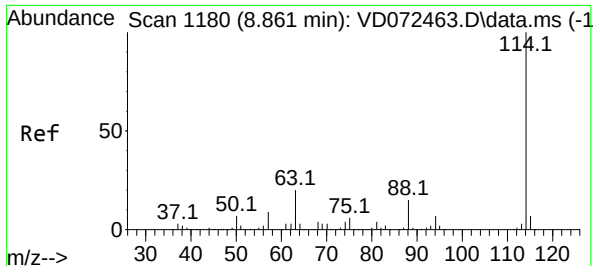
Tgt Ion: 56 Resp: 8468
Ion Ratio Lower Upper
56 100
69 162.8 25.4 38.2#
84 120.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.865 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 65 Resp: 233508
Ion Ratio Lower Upper
65 100
67 53.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072690.D

Acq: 22 Apr 2022 13:20

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

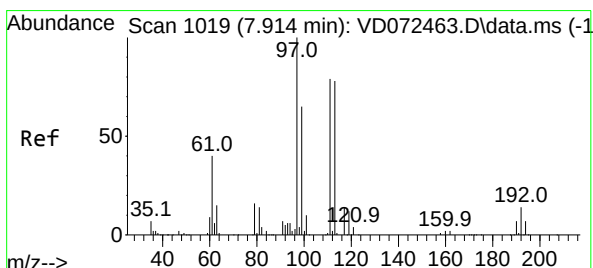
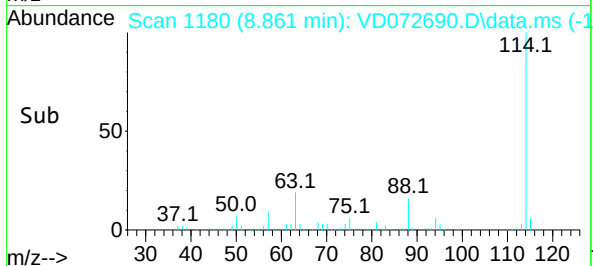
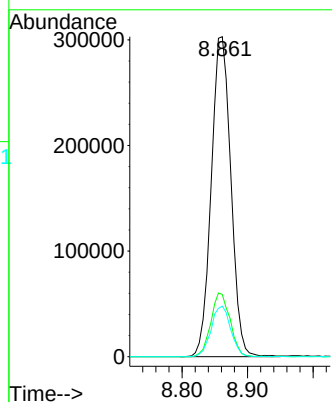
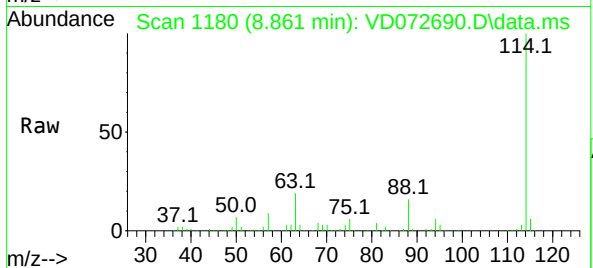
Tgt Ion:114 Resp: 628755

Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.657 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072690.D

Acq: 22 Apr 2022 13:20

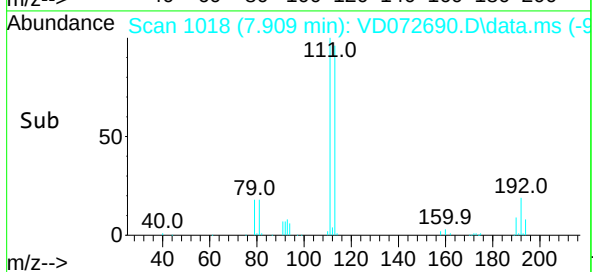
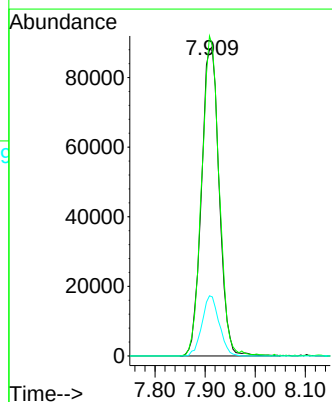
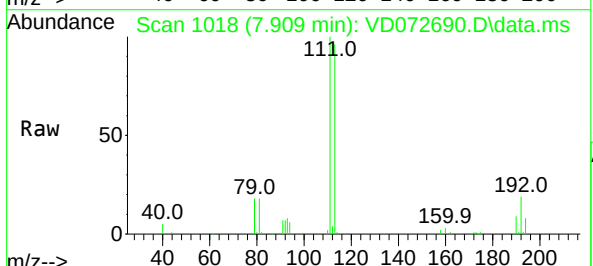
Tgt Ion:113 Resp: 218208

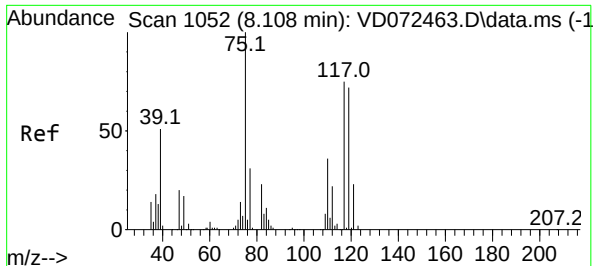
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 1.336 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. -0.011 min

Lab File: VD072690.D

Acq: 22 Apr 2022 13:20

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

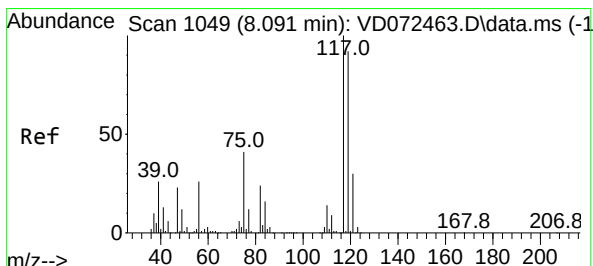
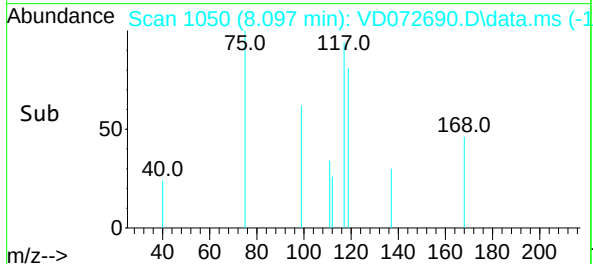
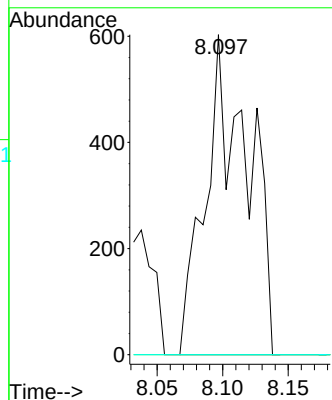
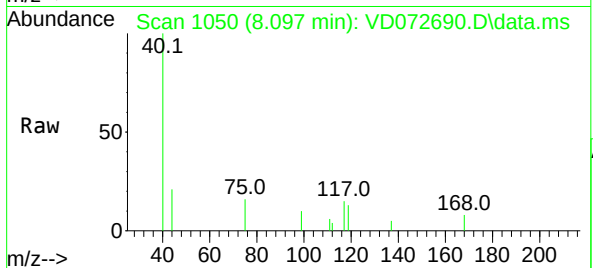
Tgt Ion: 75 Resp: 1355

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.443 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072690.D

Acq: 22 Apr 2022 13:20

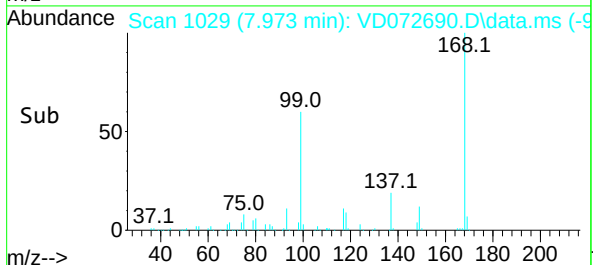
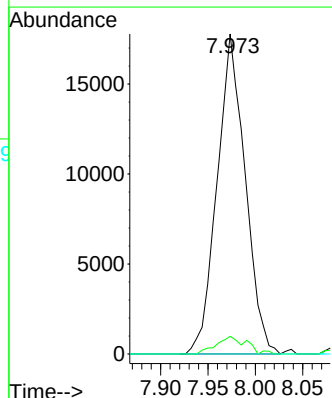
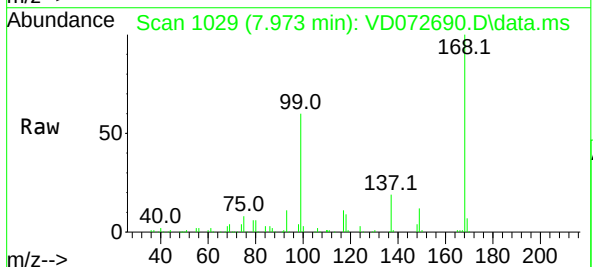
Tgt Ion: 117 Resp: 36639

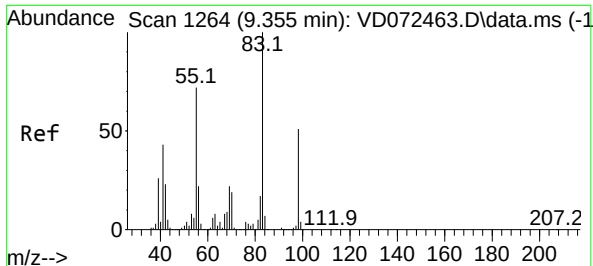
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 3.059 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072690.D

Acq: 22 Apr 2022 13:20

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

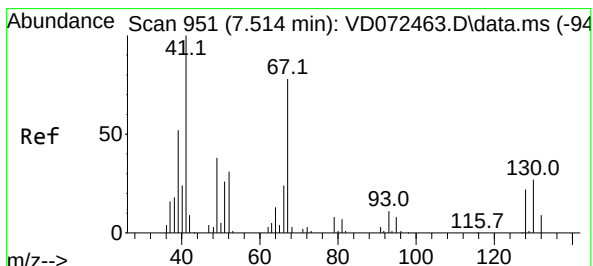
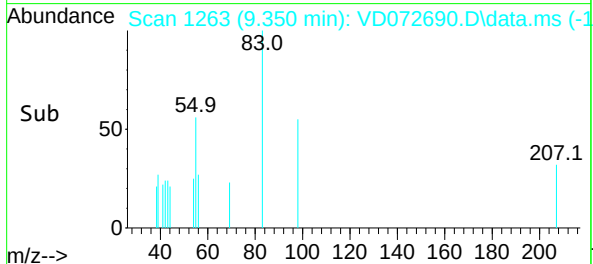
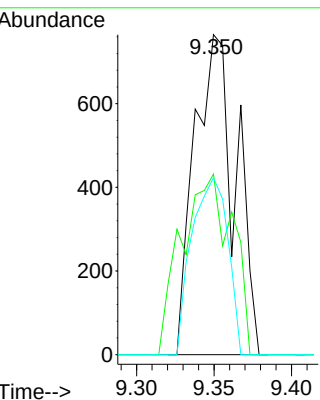
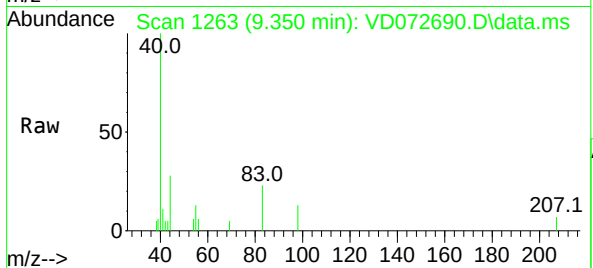
Tgt Ion: 83 Resp: 1405

Ion Ratio Lower Upper

83 100

55 56.5 63.2 94.8#

98 55.3 38.2 57.4



#41

Methacrylonitrile

Concen: 1.697 ug/l

RT: 7.532 min Scan# 954

Delta R.T. 0.018 min

Lab File: VD072690.D

Acq: 22 Apr 2022 13:20

Tgt Ion: 41 Resp: 61

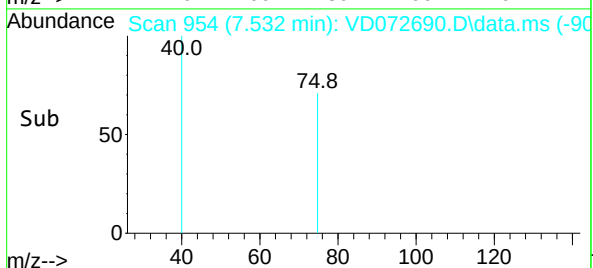
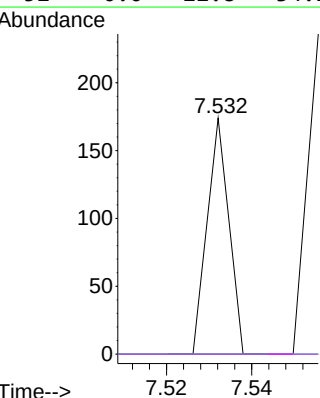
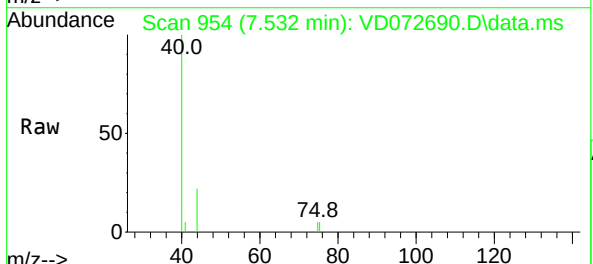
Ion Ratio Lower Upper

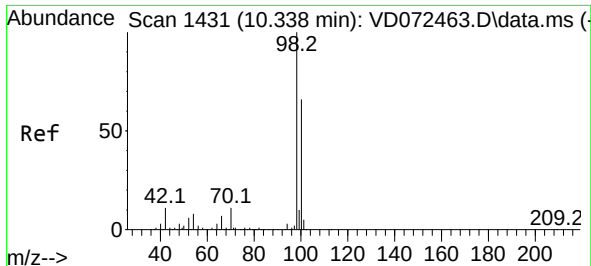
41 100

39 0.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

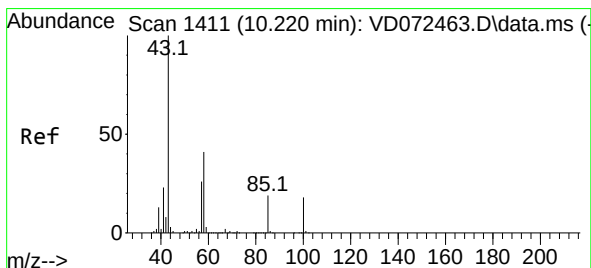
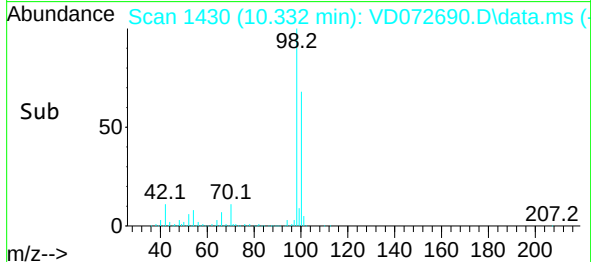
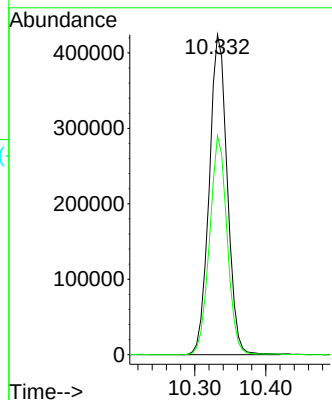
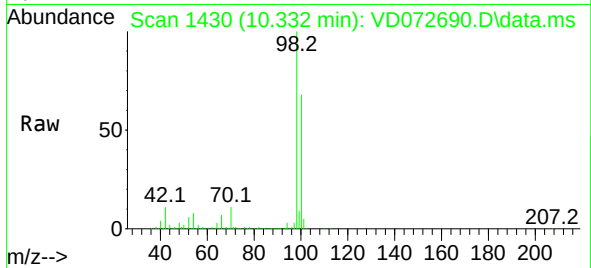




#50
Toluene-d8
Concen: 44.025 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

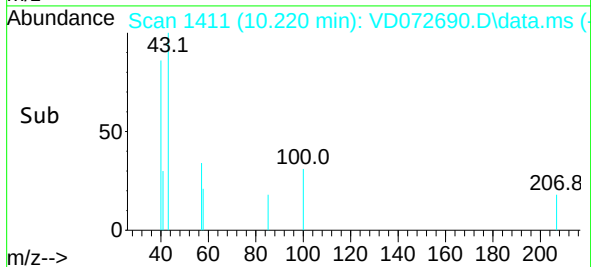
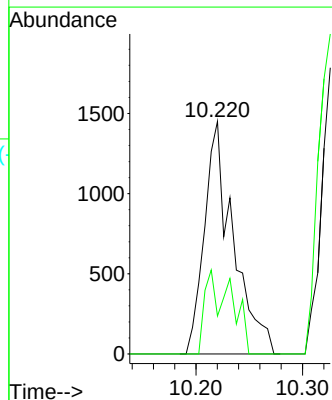
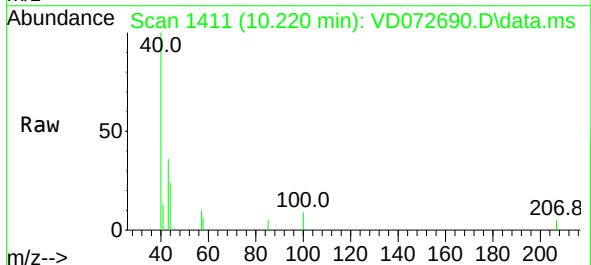
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

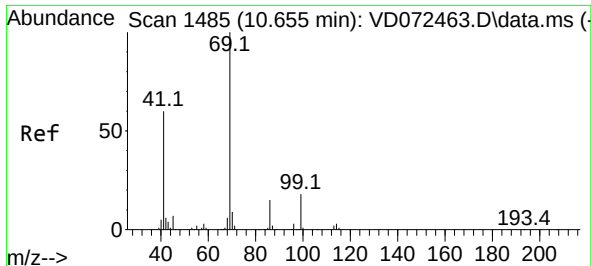
Tgt Ion: 98 Resp: 747769
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.018 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 43 Resp: 2713
Ion Ratio Lower Upper
43 100
58 19.6 28.6 43.0#

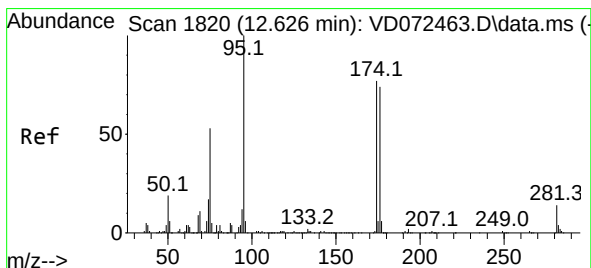
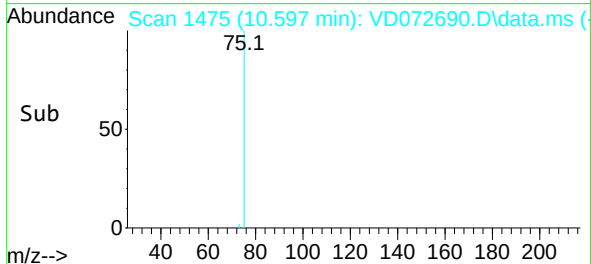
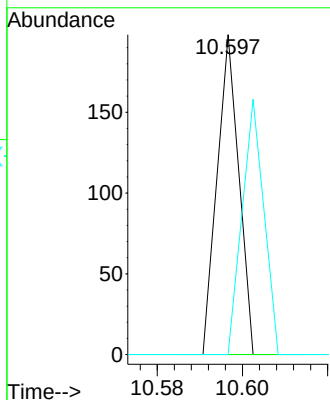
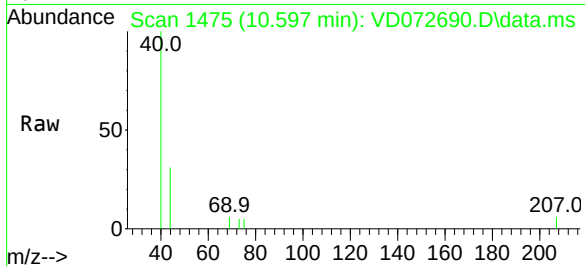




#56
Ethyl methacrylate
Concen: 1.206 ug/l
RT: 10.597 min Scan# 1485
Delta R.T. -0.058 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

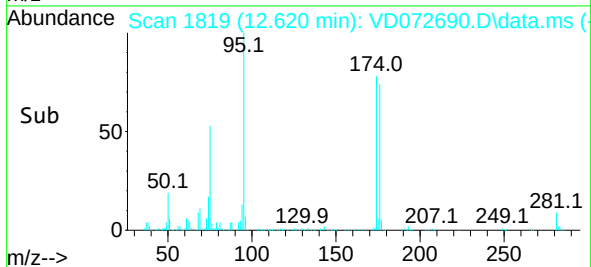
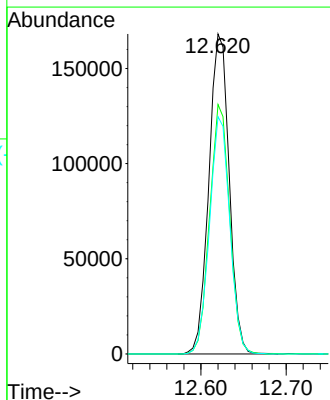
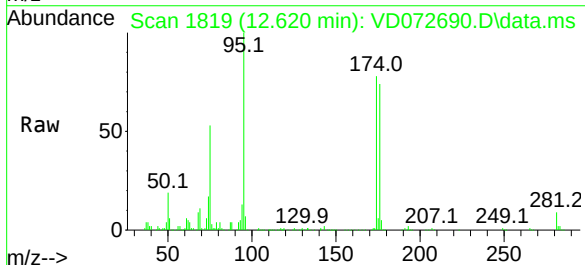
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

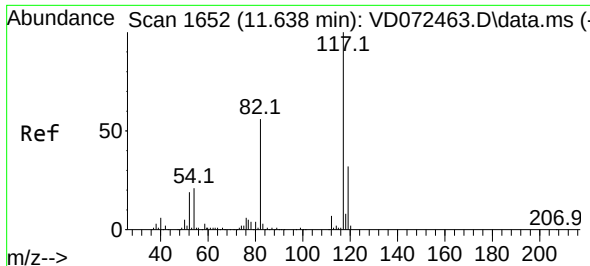
Tgt Ion: 69 Resp: 70
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 80.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 41.989 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 95 Resp: 278530
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.8
176 73.9 0.0 145.4

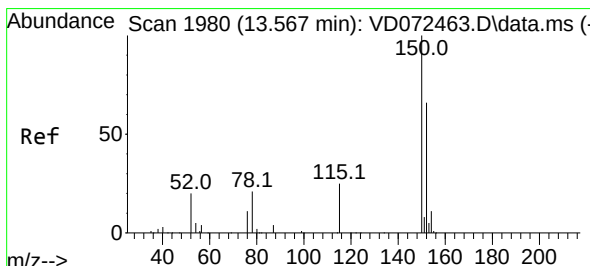
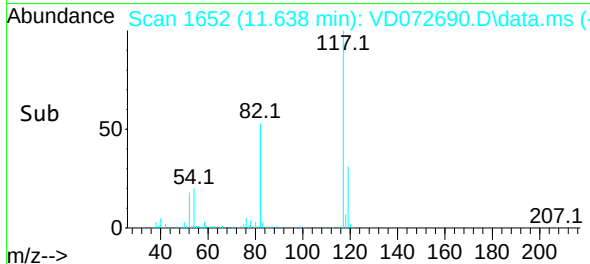
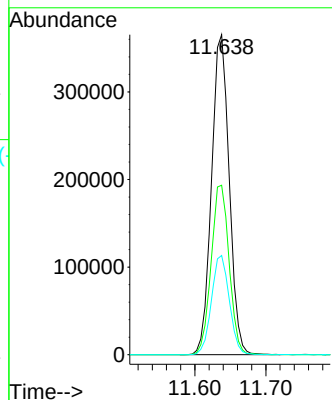
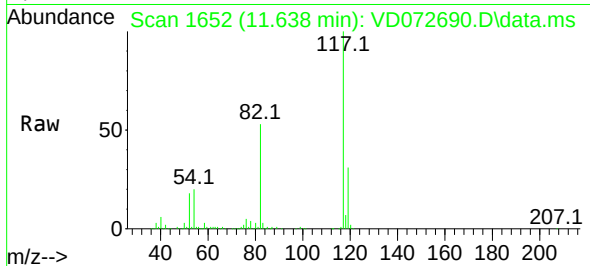




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

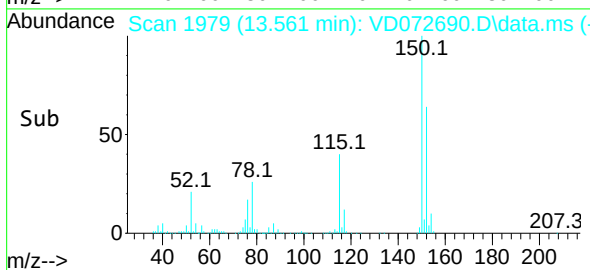
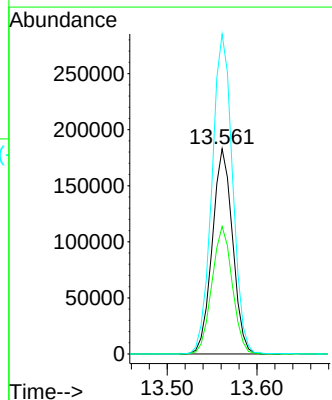
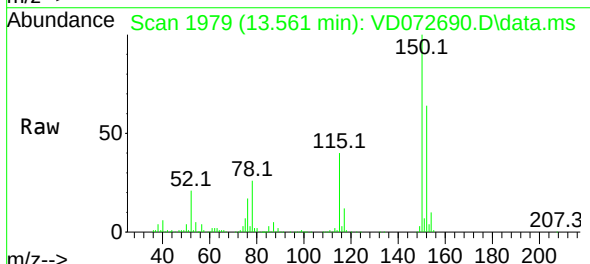
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

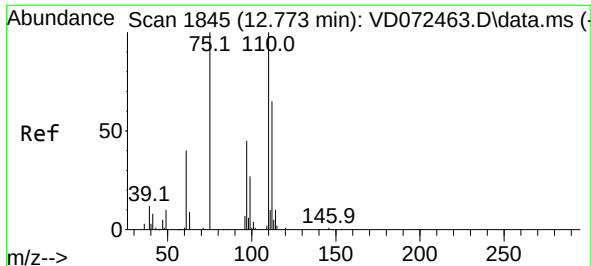
Tgt Ion:117 Resp: 631472
Ion Ratio Lower Upper
117 100
82 52.9 45.3 67.9
119 31.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion:152 Resp: 287789
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.8
150 158.1 0.0 348.6

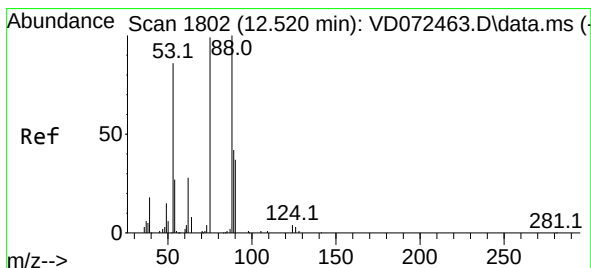
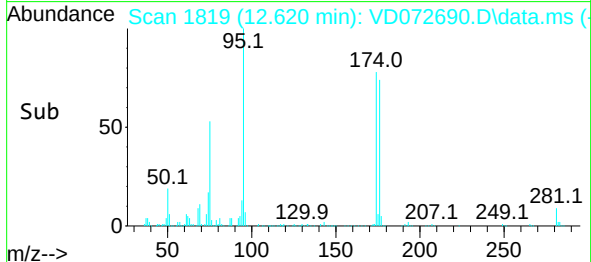
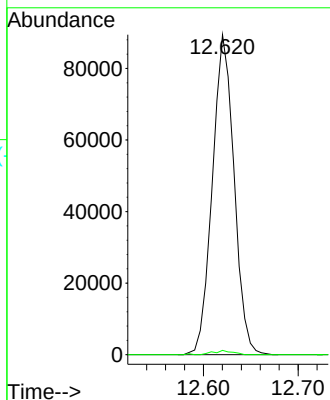
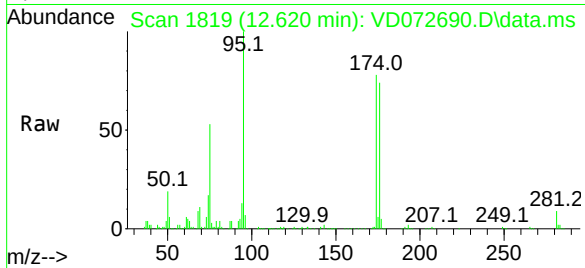




#76
1,2,3-Trichloropropane
Concen: 45.423 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Instrument :
MSVOA_D
ClientSampleId :
MH-1D

Tgt Ion: 75 Resp: 142574
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.459 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072690.D
Acq: 22 Apr 2022 13:20

Tgt Ion: 75 Resp: 142574
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#

